Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	50	("5715421" "5354957" "6317700" "5371682" "5444820" "5822790" "6078918" "6119112" "6253306" "4506994" "4943908" "5870302" "6016503" "6038512" "6317686" "6473084" "6606615" "6658467" "5506809" "5889993" "6308043" "6549803" "5293355" "5519618" "5696671" "6026348" "6507804" "4620667" "5212765" "5224203" "5282261" "5317702" "5408586" "5613072" "5640493" "5712984" "5761442" "5781752" "5826249" "6188960" "6470262" "6499101" "6546481" "6571331" "6697937" "6735580" "5479573" "6002839" "6144952" "6243696").pn.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:21

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1978	702/34,35,36,182,183,184,185.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L2	342	706/904,906,911,912,914.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L3	1229	703/7,13,6.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L4	970	340/635,657.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L5	4429	1 or 2 or 3 or 4	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L6	2683	principal same component same analysis	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L7	190403	(classif$4 or neural or kalman)	US-PGPUB; USPAT	OR	ON	2004/05/26 08:47
L8	191641	6 or 7	US-PGPUB; USPAT	OR	ON	2004/05/26 08:47
L9	880	5 and 8	US-PGPUB; USPAT	OR	ON	2004/05/26 08:47
L10	439	predict$5 and 9	US-PGPUB; USPAT	OR	ON	2004/05/26 09:14
L11	2954	predict$5 same maintenance	US-PGPUB; USPAT	OR	ON	2004/05/26 09:14
L12	712	7 and 11	US-PGPUB; USPAT	OR	ON	2004/05/26 09:14
L13	376	histor$5 and 12	US-PGPUB; USPAT	OR	ON	2004/05/26 09:14

L14	21	(US-20040059694-$ or US-20030014226-$ or US-20030004765-$ or US-20020138358-$ or US-20020128799-$ or US-20020010517-$ or US-20020002414-$).did. or (US-6651012-$ or US-6393373-$ or US-6301572-$ or US-6295510-$ or US-6192325-$ or US-6041287-$ or US-5864773-$ or US-5745382-$ or US-5710723-$ or US-5629870-$ or US-6701195-$ or US-6643801-$ or US-6633782-$ or US-6622264-$).did.	US-PGPUB ; USPAT	OR	ON	2004/05/26 09:41
L15	1	lifeometer	US-PGPUB ; USPAT	OR	ON	2004/05/26 09:41
L16	3	("6490543").URPN.	USPAT	OR	ON	2004/05/26 10:03
L17	2982	predict$5 same window	USPAT	OR	ON	2004/05/26 10:03
L18	86	17 and 11	USPAT	OR	ON	2004/05/26 10:03

Your search matched **137** of **1040503** documents.
A maximum of **500** results are displayed, **15** to a page, sorted by **Relevance Descending** order.

Refine This Search:
You may refine your search by editing the current search expression or enter new one in the text box.

(predict or predictive) and historical and model Search

☐ Check to search within this result set

Results Key:
JNL = Journal or Magazine **CNF** = Conference **STD** = Standard

1 **Traffic-flow-prediction systems based on upstream traffic**
Hobeika, A.G.; Chang Kyun Kim;
Vehicle Navigation and Information Systems Conference, 1994. Proceedings., 1994 , 31 Aug.-2 Sept. 1994
Pages:345 - 350

[Abstract] [PDF Full-Text (400 KB)] **IEE JNL**

2 **Trend analysis and prediction in multimedia-on-demand systems**
Ng, D.M.P.; Wong, E.W.M.; Ko, K.T.; Tang, K.S.;
Communications, 2001. ICC 2001. IEEE International Conference on , Volume 4 , 11-14 June 2001
Pages:1292 - 1298 vol.4

[Abstract] [PDF Full-Text (560 KB)] **IEE JNL**

3 **The Oak Ridge Spreadsheet Battle Model**
Hartley, D.S., III;
Simulation Conference, 1990. Proceedings., Winter , 9-12 Dec. 1990
Pages:863 - 869

[Abstract] [PDF Full-Text (428 KB)] **IEE JNL**

4 **Do-ahead replaces run-time: a neural network forecasts options volatility**
Malliaris, M.; Salchenberger, L.;
Artificial Intelligence for Applications, 1994., Proceedings of the Tenth Confer on , 1-4 March 1994
Pages:480 - 481

[Abstract] [PDF Full-Text (156 KB)] IEE JNL

5 **On-line improvements of the rate-distortion performance in MPEG-2 control**
Grecos, C.; Jianmin Jiang;
Circuits and Systems for Video Technology, IEEE Transactions on , Volume: 13 , Issue: 6 , June 2003
Pages:519 - 528

[Abstract] [PDF Full-Text (825 KB)] IEEE JNL

6 **Experiments on the application of IOHMMs to model financial returr series**
Bengio, Y.; Lauzon, V.-P.; Ducharme, R.;
Neural Networks, IEEE Transactions on , Volume: 12 , Issue: 1 , Jan. 2001
Pages:113 - 123

[Abstract] [PDF Full-Text (504 KB)] IEEE JNL

7 **An improved naive Bayesian classifier technique coupled with a nov input solution method [rainfall prediction]**
Liu, J.N.K.; Li, B.N.L.; Dillon, T.S.;
Systems, Man and Cybernetics, Part C, IEEE Transactions on , Volume: 31 , I 2 , May 2001
Pages:249 - 256

[Abstract] [PDF Full-Text (240 KB)] IEEE JNL

8 **A novel approach to short-term load forecasting using fuzzy neural networks**
Papadakis, S.E.; Theocharis, J.B.; Kiartzis, S.J.; Bakirtzis, A.G.;
Power Systems, IEEE Transactions on , Volume: 13 , Issue: 2 , May 1998
Pages:480 - 492

[Abstract] [PDF Full-Text (1356 KB)] IEEE JNL

9 **Distribution system reliability: default data and model validation**
Brown, R.E.; Ochoa, J.R.;
Power Systems, IEEE Transactions on , Volume: 13 , Issue: 2 , May 1998
Pages:704 - 709

[Abstract] [PDF Full-Text (588 KB)] IEEE JNL

10 **Predicting fault-prone software modules in telephone switches**
Ohlsson, N.; Alberg, H.;
Software Engineering, IEEE Transactions on , Volume: 22 , Issue: 12 , Dec. 1
Pages:886 - 894

[Abstract] [PDF Full-Text (1116 KB)] IEEE JNL

11 **Continuous equipment diagnosis using evidence integration: an LP application**
Chang, N.H.; Spanos, C.J.;

Semiconductor Manufacturing, IEEE Transactions on , Volume: 4 , Issue: 1 , I
1991
Pages:43 - 51

[Abstract] [PDF Full-Text (816 KB)] IEEE JNL

---

12 **Nonlinear autoregressive integrated neural network model for sho term load forecasting**
Chow, T.W.S.; Leung, C.-T.;
Generation, Transmission and Distribution, IEE Proceedings- , Volume: 143 , 5 , Sept. 1996
Pages:500 - 506

[Abstract] [PDF Full-Text (604 KB)] IEEE JNL

---

13 **Recursive data-based prediction and control of product quality for batch PMMA reactor**
Yangdong Pan; Lee, J.H.;
American Control Conference, 2000. Proceedings of the 2000 , Volume: 3 , 2
June 2000
Pages:1747 - 1751 vol.3

[Abstract] [PDF Full-Text (384 KB)] IEE JNL

---

14 **Metrics of software evolution as effort predictors - a case study**
Ramil, J.F.; Lehman, M.M.;
Software Maintenance, 2000. Proceedings. International Conference on , 11-
Oct. 2000
Pages:163 - 172

[Abstract] [PDF Full-Text (808 KB)] IEE JNL

---

15 **Just-in-time weather in the synthetic natural environment**
West, P.; Melendez, J.;
Systems, Man, and Cybernetics, 2000 IEEE International Conference on , Vol
1 , 8-11 Oct. 2000
Pages:472 - 477 vol.1

[Abstract] [PDF Full-Text (768 KB)] IEE JNL

---

1 2 3 4 5 6 7 8 9 10 Next

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1978	702/34,35,36,182,183,184,185.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L2	342	706/904,906,911,912,914.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L3	1229	703/7,13,6.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L4	970	340/635,657.ccls.	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L5	4429	1 or 2 or 3 or 4	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L6	2683	principal same component same analysis	US-PGPUB; USPAT	OR	ON	2004/05/26 08:46
L7	190403	(classif$4 or neural or kalman)	US-PGPUB; USPAT	OR	ON	2004/05/26 08:47
L8	191641	6 or 7	US-PGPUB; USPAT	OR	ON	2004/05/26 08:47
L9	880	5 and 8	US-PGPUB; USPAT	OR	ON	2004/05/26 08:47
L10	439	predict$5 and 9	US-PGPUB; USPAT	OR	ON	2004/05/26 09:14
L11	2954	predict$5 same maintenance	US-PGPUB; USPAT	OR	ON	2004/05/26 09:14
L12	712	7 and 11	US-PGPUB; USPAT	OR	ON	2004/05/26 09:14
L13	376	histor$5 and 12	US-PGPUB; USPAT	OR	ON	2004/05/26 09:14

L14	21	(US-20040059694-$ or US-20030014226-$ or US-20030004765-$ or US-20020138358-$ or US-20020128799-$ or US-20020010517-$ or US-20020002414-$).did. or (US-6651012-$ or US-6393373-$ or US-6301572-$ or US-6295510-$ or US-6192325-$ or US-6041287-$ or US-5864773-$ or US-5745382-$ or US-5710723-$ or US-5629870-$ or US-6701195-$ or US-6643801-$ or US-6633782-$ or US-6622264-$).did.	US-PGPUB ; USPAT	OR	ON	2004/05/26 09:41
L15	1	lifeometer	US-PGPUB ; USPAT	OR	ON	2004/05/26 09:41
L16	3	("6490543").URPN.	USPAT	OR	ON	2004/05/26 09:42

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	203	historical same predictive same model	US-PGPUB; USPAT	OR	ON	2004/05/26 12:27
L3	0	("2002/0091972").URPN.	USPAT	OR	ON	2004/05/26 12:31
L4	0	("6466877").URPN.	USPAT	OR	ON	2004/05/26 12:37

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/00404

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :G06F 7/60, 17/10, 101/00
US CL :703/2

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 703/2, 1, 13, 23; 702/179

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EAST, ACM, IEEE, Proquest, Google
search terms: predict*, maintenance, reliability, model*

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ADRIAN.P. ZMI Advances Predict Maintenance. Manufacturing Automation (text downloaded from www.zmicorp.com). December 2000. see entire text download.	1-32
X	ANONYMOUS. Artificial Intelligence Predicts Machine Breakdown. Advanced Manufacturing Technology Alert (text downloaded from www.zmicorp.com). 08 December 2000. see entire text download.	1-32
A	US 6,110,214 A (KLIMASAUSKAS) 29 August 2000.	1-32
A	US 5,991,707 A (SEARLES et al) 23 November 1999.	1-32
A	US 5,710,723 A (HOTH et al) 20 January 1998.	1-32

[X] Further documents are listed in the continuation of Box C. [ ] See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
15 APRIL 2002	31 MAY 2002

Name and mailing address of the ISA/US	Authorized officer
Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231	SAMUEL BRODA
Facsimile No. (703) 305-3230	Telephone No. (703) 305-1026

Form PCT/ISA/210 (second sheet) (July 1998)*

Reviewed 5/26/04

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US02/00404

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,596,507 A (JONES et al) 21 January 1997.	1-32
A	MUTHANNA.S. et al. A Maintainability Model for Industrial Software Systems Using Design Level Metrics. IEEE Seventh Working Conference on Reverse Engineering. November 2000. pages 248-256.	1-32
A	MCCARTHY.C. et al. Predictive Analysis Ranks Reliability Improvements. IEEE Computer Applications in Power. October 1999. Vol. 12. No. 4. pages 35-40.	1-32
A	LIU.J. et al. Evaluating Case-Based Reasoning and Evolution Strategies for Machine Maintenance. IEEE Conference on Systems, Man, and Cybernetics. October 1999. Vol. 2. pages 480-485.	1-32